

ABSTRACT

In a semiconductor laser driving device and method,
a first current below an oscillation threshold current of a
semiconductor laser is outputted to the laser invariably. A
5 second current needed for light emission of the laser
responsive to an input signal is outputted to the laser. A
third current for controlling the laser such that a detected
amount of emission light from the laser accords with a given
value is outputted to the laser. A predetermined auxiliary
10 current is outputted to the laser. An initialization
operation is performed to detect luminescence characteristics
of the laser, and a signal indicating a value of the second
current derived from the detected luminescence characteristics
is outputted. The third current is controlled so that an
15 amount of light outputted by the laser receiving a sum of the
first, second, third and auxiliary currents, accords with a
predetermined amount.